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No. II.

METEOROLOGICAL OBSERVATIONS,

FOR ONE ENTIRE YEAR.

MADE by William Dunbar, Esq. at the Forest four and a half miles east of the river Mississippi in North Lat. 31° 28' and Long. 91° 30' West of Greenwich, on an eminence about 150 feet higher than the level of the highest waters of the annual inundation of the Mississippi; beginning on the 1st day of February 1799, and ending the 31st January 1800, inclusive.

Communicated by Thomas Jefferson, President of the Society.

Read 16th January, 1801.

IN the following observations, the strength of the wind is divided into four degrees, viz. No. 1. indicates a light Zephyr. No. 2. a brisk breeze. No. 3. a very strong wind. No. 4. a tempest or hurricane. When the course of the wind is noted, but the strength omitted, it is to be understood that the direction of the wind has been observed by the gentle movement of the clouds, or, perhaps, by the progress of smoke, while to the senses a perfect calm reigns below. When two currents of air have been observed, they are noted, the strength referring always to the latter current.

A mercurial thermometer of the best kind made in London, with Farhenheit's scale adapted, consisting of divisions of one line to the degree, was suspended to the inner part of a column of the northern gallery of a large dwelling house nine feet from the earth, in such a manner that the thermometer was not in contact with the column, being twelve feet distant from the wall of the building, and entirely defended from the sun-beams by surrounding forest trees, while a free circulation of the atmosphere prevailed below. Frequent experiments shewed that during the hot hours of a summer's day, the thermometer being removed into a hall within the building and suspended twelve feet from the wall, the mercury fell from two to two and a half degrees, although a free circulation was maintained by two large open windows and one door in each of the opposite walls of the building.

It may be proper to remark further that the summer of 1799 was accounted cool, the thermometer never having risen above 92° whereas during the warm season of 1800 it was often at 96° and 97° ; though at the same time if the thermometer was placed under a deep shade of surrounding trees, it would fall to 91° . It appears that the proper situation for the thermometer, is such as is completely shaded from the direct sun-beams, but not so as to exclude all influence by reflection from the surface of the earth, being that which will best indicate the influence of atmospheric heat upon vegetation, which is what has been attempted to be shewn in the following journal.

NOTE. The Society have been induced to publish this journal *entire*, as it is certainly the first that has been kept with so much accuracy and attention in that part of the world, and may serve as a standard with which to compare future observations.

MADE IN THE MISSISSIPPI TERRITORY.

11

FEBRUARY.								1799.									
DAY.	TH.	BAR.	P TS.	STR.	IN.	State of the weather.			DAY.	TH.	BAR.	P TS.	STR.	IN.	State of the weather.		
Fri. 1	58	29 58	E			Drizzly.			Fri. 15	48	29 97	E			Drizzly.		
	66	29 53	N W	1	0.25	Moderate rain.				43	29 94	E N E			Drizzly..		
	61	29 69				Cloudy, calm.				41	29 94	E N E		0.16	Rain.		
Sat. 2	41	29 74	N W	2		Clouds dispersing.			Sat. 16	39	29 86	S E			Drizzly.		
	57 $\frac{1}{2}$	29 71	W	1.		Thin white clouds.				41	29 86	W	1	0.66	Rain.		
	55	29 71				Clearing up.				35	29 86	N W			Cloudy.		
Sun. 3	45	29 75	W: N E			Clear.			Sun. 17	30	29 88	N W	1		Clear.		
	62	29 87	E			Very clear.				59	29 98	N E	1		Very clear.		
	45	29 93				Thin clouds.				49	29 98				Very clear.		
Mon. 4	39	30 15	N	1		Thin veil of gr clds.			Mon. 18	36	29 96	S E	1		Very clear.		
	52	30 13	N E	1.		Lt. thin white clouds.				64	29 88	S W			Clear wh clds. nr. hor.		
	44 $\frac{1}{2}$	30 13	N			Hazy.				60	29 80	S W			Clear.		
Tues. 5	35 $\frac{1}{2}$	30 12	N			Sn. sh. thr' a wht. hze.			Tues. 19	59	29 75	S W	1		Grey clouds.		
	57	30 12	W: N E		1	Do. the air grs. damp.				70	29 62	S W	2		Grey clouds increase.		
	52	30 10	E N E			Cloudy, damp.				67	29 62				Rain commences.		
Wed. 6	55	29 86	E S E	1		Overct with dk gr cl			Wed. 20	67	29 62	S	0.89		Rain.		
	62	29 68	S	1	1.80	Rain.				45	29 66	N	1		Cold & drizzling.		
	59 $\frac{1}{2}$	29 75	S W			Rain, thun, & light'g.				39	29 78	N			Drizzling.		
Thur. 7	55	29 63	S E		3.145	Cloudy, dk. wit. rain.			Thur. 21	29	29 83	N	1	0.16	Snow.		
	52 $\frac{1}{2}$	29 70	N W			Clouds dispersing.				26	29 83	N W			Small sleet or snow.		
	42 $\frac{1}{2}$	29 85	E N E	1		Cloudy.				24	29 94	N W	1		Clear.		
Fri. 8	31	30 00	N W	1		Clear.			Fri. 22	19 $\frac{1}{2}$	30 09	N W	1		Very clear.		
	43 $\frac{1}{2}$	30 10	N W	1		Very clear.				32 $\frac{1}{2}$	30 09	N W	1		Clear wh clds. nr. hor.		
	34	30 22	N W	1		Very clear.				27	30 09	N W			Very clear.		
Sat. 9	28	30 26	N W			Some wh. clds. nr. hor			Sat. 23	27	30 00				Very clear.		
	36	30 25	N			Very clr. wh. cl. nr. h.				46	30 00	E			Thin white clouds.		
	45	30 24				Very clear.				33	30 02				Clear.		
Sun. 10	26	30 21	W	1		Clr. ab. thin wh.c.n.h.			Sun. 24	28 $\frac{1}{2}$	30 05	N W			Clear white clouds.		
	55	30 15				Clouds increase.				60	30 05	S E			A few white clouds.		
	42	30 14				Cloudy.				47	30 03	N W			Clear.		
Mon. 11	26 $\frac{1}{2}$	30 14	W	1		Some clouds.			Mon. 25	46	30 03	S			Grey and blackish cl.		
	64	30 04	W			Thin white clouds.				61	29 80	S E	1		Clear.		
	57	30 04				Cloudy.				61	29 80	S E			Drizzly.		
Tues. 12	50	30 00	W	1		Rain.			Tues. 26	66	29 64	S W	1	0.10	Drizzly, sun shi. at ti.		
	54	29 99				Rain.				75	29 56	S W	1		Some clouds.		
	50	29 99				Cloudy.				71	29 59	S W			Clearing up.		
Wed. 13	50	30 00	W	1		Rain.			Wed. 27	54	29 74	N W	1		Rain.		
	54	29 99	E			Rain.				55	29 71	N E	1		Cloudy.		
	51	29 99	E		0.74	Rain.				58	29 71	E		1.07	Rain.		
Thur. 14	51	30 025	E			Rain.			Thur. 28	51	29 62	E			Rain.		
	55	29 99	N	1		Cloudy.				59	29 59	N W	1		Rain.		
	48	29 98	E N E		0.15	Rain.				48	29 73	N W	1		Clearing up.		

REMARKS.

February 1st, Peach and plum trees in bloom. 3d. Peas in bloom. 13th, The strawberry blossoms. 17th, The horse chesnut buds.

METEOROLOGICAL OBSERVATIONS.

		HOURS. 6 $\frac{1}{2}$. 3. 9.		WINDS.		RAIN.		MARCH.		HOURS. 6 $\frac{1}{2}$. 3. 9.		WINDS.		RAIN.		1799.					
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.				DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.					
Fri. 1	41	29 83	N W	1		Clear.				Sun. 17	50	29 83	N	1		Clear.					
	51	29 97	N W	1		Clear.					75	29 90	N	1		Clear.					
	44	30 03				Cloudy.					44	29 90	N			Clear.					
Sat. 2	41	30 05	N			Clear.				Mon. 18	29	29 90	N	1		Clear, very clear.					
	59	30 13	N			Clear.					57	29 86	S E			Very clear.					
	41	30 09	N			Clear.					59	29 80	S E			Cloudy.					
Sun. 3	35	30 12	N			Very clear.				Tues. 19	50	29 68				Cloudy.					
	60	30 19	N	1		Very clear.					66	29 57	S E			Rain.					
	51	30 14									66	29 53	E	1	0.11	Rain.					
Mon. 4	36	30 14	W			Light clds. at the hor.				Wed. 20	64	29 59	E	1		Rain.					
	60	30 14	N	1		Grey clouds.					48	29 68	N W	1		Cloudy.					
	52	30 14	N E								48	29 80	N	1	2.91	Cloudy.					
Tues. 5	41	30 19	N E	1		Clear.				Thurs. 21	41 $\frac{1}{2}$	29 92	N W	1		Cloudy.					
	60	30 19	N			Cloudy.					51	29 92	N W			Clear.					
	53	30 24				Clear.					39	29 94				Very clear.					
Wed. 6	41	30 24	W	1		Clear.				Friday. 22	33	30 05	N W			Very clear.					
	70	30 15	S W	1		Clear.					56	30 05	N			Very clear.					
	53	30 10									42	30 05				Very clear.					
Thur. 7	41	30 10	N E			Very clear.				Satur. 23	33	30 21	N	1		Very clear.					
	72	29 96	S	1		Grey clouds.					67	30 13	N	1		Very clear.					
	61	29 96				Rain.					49	30 13				Cloudy.					
Fri. 8	57	29 88	E			Rain.				Sunday. 24	39	30 13	N			Clear.					
	67	29 75 $\frac{1}{2}$	N	1	0.26	Rain.					70	30 04	N E	1		Clear.					
	67	29 75				Cloudy.					55	30 04				Clear.					
Sat. 9	58	29 81	W	1		White clouds & clear.				Mon. 25	43	30	S			White clouds.					
	70	29 84	W: N E	1		Clear.					72	29 91	S			White clouds.					
	56 $\frac{1}{2}$	29 84	N			Clear.					57	29 91				Clear.					
Sun. 10	49	29 90	N E	1		Clear white cl. at hor.				Tues. 26	45	29 91	S	0.08		Foggy.					
	75	29 95	N E	1		Clear.					72	29 87				White clouds.					
	56	29 95	N			Halo round the moon.					53	29 87				Clear.					
Mon. 11	45	29 95	N	1		Very clear.				Wed. 27	45	29 87	N			Clear.					
	75	29 90	N W	1		White clouds.					76	29 87				Very clear.					
	56	29 85	N W			Cloudy, halo.					63	29 87									
Tues. 12	54	29 83	E			Rain.				Thurs. 28	50	30 08	N E			Light fog.					
	66	29 77	S	1		Drizzly.					70	30 08	E			Grey clouds.					
	64 $\frac{1}{2}$	29 80		0.13		Overcast.					53	30 08	W			Cloudy.					
Wed. 13	54	29 88	N E			Dark grey clouds.				Friday. 29	46	30 06	W			Grey clouds.					
	70	29 89	N	1		Clear.					68	30 00	W			Cloudy.					
	57	29 93				Clear.					58	29 95	W			Cloudy.					
Thur. 14	53	29 94	N E	1		Drizzly.				Satur. 30	52	29 90	W			Rain.					
	60	29 86	E	1		Cloudy and rain.					75	29 70	W	1	0.03	Cloudy.					
	55	29 86		0.32		Cloudy.					65	29 70				Cloudy.					
Friday. 15	44	29 80	N	1		Drizzly.				Sunday. 31	63	29 57	W			Cloudy.					
	56	29 84	N	1		Clearing up.					75	29 63				Cloudy.					
	49	29 88	N			Clear.					64	29 59				Cloudy.					
Satur. 16	39	29 88	N W			Very clear.															
	75	29 83	N E			Clear.															
	58	29 77				Clear. A Halo.															

REMARKS.

1st. Wild cherry buds. 5th, The yellow poplar, red oak, and dogwood in flower. 15th, Trees in general shew their buds or blossoms, excepting the walnut species, including the pacawn and hickory. 26th, Commenced planting cotton, having planted corn with the beginning of the month.

APRIL.							1799.						
Days.	TH.	BAR.	Pts.	STR.	IN.	State of the weather.	Days.	TH.	BAR.	Pts.	STR.	IN.	State of the weather.
Mon. 1	03	29 54	S	1		Rain.	Tues. 16	69	29 51				Cloudy.
	75	29 54	N W	3	0.50	Rain and hail.		73	29 51				Rain.
	64	29 53	W			Clearing up.		68	29 51	S	S W	0.26	Clouds thinner.
Tues. 2	50	29 80	N W	1		Very clear.	Wed. 17	68	29 63	S	S W	1	Clds. disp. almost clr.
	68	29 80	N	1		Very clear.		84	29 68	S	S W	1	Clear.
	57	29 80						64	29 74				Clear.
Wed. 3	47	29 80					Thurs. 18	61	29 83	N			Very clear.
	72	29 82	S					78	29 85	N W	1		Very clear.
	61	29 82						70	29 87	N W			Very clear.
Thurs. 4	55	29 86	N E	1		Rain.	Friday 19	56	29 87	N W			Very clear.
	68	29 86	E N E	1	0.13	Rain.		76	29 91	N W	1		Clear.
	50	29 88	E			Cloudy.		68	29 96	N W			Clear.
Friday 5	41	29 90					Satur. 20	51	29 94	N W	2		Clr. with thin we. vap.
	55	29 94	W					72	29 94	E	1		More clouds.
	44	29 94	N					64	29 85	S	1		Rain commences.
Satur. 6	35	29 94	N W			Very clear.	Sunday 21	64	29 61	S	1	1.140	Rain.
	64	29 94	N E			Clear.		78	29 58	S	1		Cloudy.
	50	29 94				Clear.		72	29 58	S	1		Cloudy.
Sunday 7	37	29 94	S W	1		Very clear.	Mon. 22	72	29 55	S W	1		Cloudy.
	71	29 84	S W	1		Clear.		83	29 51	S W	2		Cloudy.
	60	29 84	W			Clear.		79	29 51	S W			Cloudy.
Mon. 8	56	29 84	W	1		Clear.	Tues. 23	62	29 70	N W	1		Very clear.
	73	29 76	W	2		Cloudy.		76	29 76	N W	1		Clear.
	68	29 76				Stars give dim light.		68	29 82	N W	2		Very clear.
Tues. 9	55	30 00	S E	2		Clear.	Wed. 24	58	29 82	S	1		Clear.
	66	29 97	W	2		Clear.		83	29 82	S	1		Clear.
	50	29 97				Clear.		78	29 82	S			Clear.
Wed. 10	44	29 97	W				Thurs. 25	63	29 82	S W	1		Clear.
	63	29 84	W	1				81	29 82	S	2		Thin white clouds.
	62	29 82						74	29 82	S	1		Cloudy.
Thurs. 11	55	29 72				A few clouds.	Friday 26	68	29 67	S E	1	0.795	Rain.
	70	29 70	W	1		Cloudy.		78	29 54	S	2	0.125	Rain.
	66	29 68				Rain.		75	29 60				Cloudy.
Friday 12	64	29 70	E				Satur. 27	65	29 67	S W	1		Clearing up.
	76	29 74						81	29 67	S W	1		Clear.
	72	29 74						71	29 70	S			Very clear.
Satur. 13	68	29 74					Sunday 28	58	29 77	S S W	2		Very clear.
	81	29 74	S W					86	29 77	S	1		Clear.
	76	29 83						77	29 77	S	1		Clear.
Sunday 14	71	29 88	W				Mon. 29	74	29 84	S	1		Thin grey clouds.
	78	29 88	S E					87	29 84	S			Clear.
	71	29 86						78	29 79	S			Clear.
Mon. 15	68	29 80	S E	1			Tues. 30	80	29 63	S	1		Grey clouds.
	78	29 72	S E	2				77	29 73	S	2		Some drops of rain.
	73	29 64						64	29 80	S			Rain.

REMARKS.

1st. The hail was of a spheroidal form $\frac{1}{8}$ inch in its equatorial diameter, and $\frac{1}{4}$ inch in its axis, very transparent and fell with a N W wind. 10th. Strawberry redens. 12th. Walnut and hickory trees begin to bud, also Linn. Grass pastures begin to furnish abundance of food in the wood lands. 13th. Young artichokes formed and shooting up. 16th. Strawberry ripe. 20th. Green peas and artichokes ripe. 22d. Grubs and caterpillars devour the young cotton, corn and Irish potatoes, &c. the cotton shoots from many of the old stalks. 28th. Windsor beans fit to gather.

METEOROLOGICAL OBSERVATIONS.

DAYS.	HOURS. 5. 3. 9.			WINDS. PTS. STR.	RAIN. IN.	MAY. State of the weather.	DAYS.	HOURS. 5. 3. 9.			WINDS. PTS. STR.	RAIN. IN.	1799. State of the weather.	
	TH.	BAR.	PTS.	STR.	IN.			TH.	BAR.	PTS.	STR.			
Wed. 1	64	29 90	N W	1		Clear.		67	29 70	W	1			Thin white clouds.
	70	29 95	N W	2		Clear.		82	29 74	W	1			Clear.
	60	30 00	N W	1		Very clear.		73	29 77					Clear.
Thurs. 2	54	30 00	N W			Very clear.								Very clear.
	77	30 00	N W	2		Very clear.		62	29 88	N W	1			Very clear.
	64	30 00	N W	1		Very clear.		80	29 88	N W	2			Very clear.
Friday 3	56	30 00	N W	1		Very clear.		18	29 88	N W				Very clear.
	74	30 00	N W	2		Very clear.								Very clear.
	64	30 00	N W			Very clear.								Very clear.
Satur. 4	55	30 04	N W			Very clear.								Clear.
	74	30 00	N W			Very clear.								Clear.
	60	30 00	N W			Very clear.								Clear.
Sunday 5	56	30 00	N W	1		Very clear.								Grey clouds.
	74	30 00	N W			Very clear.								A few white clouds.
	68	29 96	N W			Very clear.								Clear.
Mon. 6	61	29 97				Very clear.								Grey clouds.
	82½	29 99	W	1		Very clear.								White clouds.
	71	29 99	S	1		Very clear.								Clear.
Tues. 7	65	29 99	S	1		Very thin we. clouds.								Some white clouds.
	83	29 98	S			Thin white clouds.								Clr, with some wh. c.
	71	29 98	S	1		Thin clouds.								Clear.
Wed. 8	65	29 98	S			Clear.								Some Grey clouds.
	83½	29 98	S	1		White clouds.								Clear.
	71	29 98	S			Clear.								Clear.
Thurs. 9	61	29 99	S S W	1		Clear.								Foggy.
	84	29 99	S S W	1		Clear.								Rain,
	71	29 99	S S W			Clear.								Stars shine dim.
Friday 10	67	29 96	W N W			Clear.								Some white clouds.
	85	29 93	W N W	1		White clds. at the hor.								Grey clouds.
	74	29 87	W			Clear.								Star light.
Satur. 11	64	29 90	W			Foggy.								Clear.
	84	29 90	W	1		Clear.								Clear.
	72	29 85	S W	1		Clear.								Clear.
Sunday 12	65	29 90	S S W			Slightly hazy.								Clear.
	86	29 88	S S W			Thin veil of white clds.								White clouds.
	73	29 87	S S W			Stars shine dimly.								Cloudy small rain.
Mon. 13	65	29 90				Grey morning.								
	84	29 88	E	2		Grey clouds.								Cloudy.
	73	29 85	E			Cloudy.								Thin clouds.
Tues. 14	69	29 81	S S E	1		Grey clouds.								Thin clouds.
	80	29 67	W & S E	1		Cloudy.								Thin white clouds.
	75	29 67	S E	1		Cloudy.								Stars shine dimly.
Wed. 15	73	29 67				Thin clouds.								Clear, some clouds.
	83	29 67	W	1		Thin white clouds.								Clear.
	78	29 64	W			Fine veil of white clds								Clear.
Thur. 16	76	29 71	S W	1	0.21	Dark clouds, rain.								
	83	29 68				Cloudy & rain.								
	72	29 83				Clouds disperse.								

REMARKS.

5th, Poppies in flower. 10th, Black mulberry ripe; gathered ripe turnip seed and cabbage seed; grubs and caterpillars disappear in our field. 12th, French beans fit to eat. 18th, Rye and wheat fit to reap.

JUNE.							1799.							
Days.	Hours. 5. 3. 9.	Winds.	Bar.	Pts.	Str.	In.	Days.	Hours. 5. 3. 9.	Winds.	Bar.	Pts.	Str.	In.	State of the weather.
Satur. 1	68 29 79 87 29 82 78 29 85	W W	1 1			Clear. Clear. Clear.	Sun. 16	71 29 88 91 29 88 78 29 88	S E	1			Clear. Clear. Clear.	
Sunday 2	69 29 85 87 29 85 79 29 85					Clear. Clear. Clear.	Mon. 17	72 29 89 91 29 90 80 29 89	S E	1			Clear. Clear. Clear.	
Mon. 3	74 29 85 87 29 84 72 29 83	S E				Clear. Clear. Clear.	Tues. 18	71 29 91 92 29 90 78 29 89	S W	1	S W	1	Hazy. Light clouds. Light clouds.	
Tues. 4	76 29 83 89 1/2 29 83 67 29 82	N E	1			Clear. Clear. Clear.	Wed. 19	73 29 92 91 29 91 79 29 90	S E	1	S W	1	Hazy. Light clouds. Clear.	
Wed. 5	69 29 83 92 29 83 82 29 82	E	1			Clear. Clear. Clear.	Thurs. 20	70 29 93 92 29 92 79 29 91	S E		S W	1	Hazy. Light clouds. Dull star light.	
Thur. 6	72 29 83 92 29 82 80 29 80	W	1			Clear. Clear. Clear.	Friday 21	69 29 94 92 29 94 65 29 93	S E	3	0.82		Light clouds. Cloudy and rain. Rain, thundergust.	
Friday 7	72 29 81 88 29 81 79 29 81	N	2			Clear. Cir. some drops of rain Clear.	Satur. 22	70 29 97 92 29 97 75 29 97	S E	1	0.10		Light clouds. Light clouds. Rain.	
Satur. 8	70 29 81 87 29 81 76 29 81	N N W	2 2 1			Clear. Clear. Very clear.	Sun. 23	71 29 98 89 29 98 65 29 98	S E				Cloudy. Cloudy. Cloudy.	
Sunday 9	73 29 80 87 29 80 70 29 80	S W W				Very clear. Very clear. Very clear.	Mon. 24	73 29 98 87 29 98 89 29 97	S E	1			Cloudy. Clouds & sunshine. Cloudy.	
Mon. 10	70 29 80 89 29 90 73 29 94	S W	1			Very clear. Very clear. Very clear.	Tues. 25	76 29 96 90 29 96 77 29 96	S E	2	S E		Clouds. Flying clouds. Cloudy.	
Tues. 11	68 29 96 84 30 02 79 30 00	S	0.10			Light clouds. Light rain. Clouds.	Wed. 26	73 29 98 80 29 97 77 29 96	S	2	S	1	Clear. Drizzly. Clear.	
Wed. 12	73 30 00 90 29 96 76 29 94	S E	1			Cloudy. Cloudy.. Clear.	Thurs. 27	77 29 98 87 29 97 76 29 96	S		S W		Clear. Clouds & fine rain. Clear.	
Thurs. 13	91 29 90 76 29 87	S E S W				Light grey clouds. Light grey clouds. Clear.	Friday 28	79 29 98 85 29 97 74 29 96	S W	1	S W	2	Clear. Rain. Rain.	
Friday 14	69 29 86 88 29 83 79 29 80	S E N E				Clear. Grey clouds. Clear.	Satur. 29	73 29 98 86 29 97 76 29 96	S W		S	1	Clear. Rain. Rain.	
Satur. 15	72 29 82 92 29 85 77 29 88	E	3	0.12		Rain. Rain. Clear.	Sunday 30	76 29 98 86 29 97 75 29 96	S E	2	S E		Clear. Rain. Rain.	

REMARKS.

10th, Tender Indian corn fit for use; also, earliest peaches just beginning to ripen. 12th, Cotton in blossom..

METEOROLOGICAL OBSERVATIONS.

		HOURS. 4 $\frac{1}{2}$, 3, 9.		WINDS.		RAIN		JULY.				HOURS. 4 $\frac{1}{2}$, 3, 9.		WINDS.		RAIN		1799.	
DAYS.		TH.	BAR.	Pts.	Str.	IN.		State of the weather.		TH.	BAR.	Pts.	Str.	IN.		State of the weather.			
Mon.	1	70	29 98	S	1			Cloudy.		Wed.	73	29 84	S E	1			Clear.		
		86	29 97	S E	1			Cloudy.			89	29 83	S W				Clouds & sunshine.		
		77	29 96			0.22		Rain.		17	74	29 82					Clear & fine.		
Tues.	2	73	29 96	S E				Clouds.			72	29 84					Fine.		
		89	29 95	S E	1	0.02		Rain.		Thurs.	89	29 83	S E	1			Clear.		
		74	29 95	S W				Clouds.			73	29 82	S W				Fine.		
Wed.	3	73	29 95					Clouds.			70	29 83	S W	1			Fine.		
		89	29 94	S	1			Clouds.		Friday	90	29 82	S W				Some clouds.		
		74	29 93					Clouds.			72	29 81					Clear & fine.		
Thur.	4	74	29 94	S E	1			Clouds.		Satur.	91	29 81	S W				Clear & fine.		
		90	29 93					Clouds.			80	29 80	S W	1			Some clouds.		
		73	29 92					Clouds.			73	29 83	S W	1			Very fine.		
Friday	5	70	29 90	S E	1	1.05		Clouds.		Sunday	90	29 82	S W	1			Very fine.		
		84	29 87					Rain.			77	29 80					Very fine.		
		70	29 86					Cloudy.			71	29 81					Very fine.		
Satur.	6	73	29 85	S E	1			Cloudy.		Mon.	92	29 82	W				Very fine.		
		87	29 84			0.01		Cloudy.			83	29 83	S				Very fine.		
		80	29 83					Rain.			70	29 83					Very fine.		
Sun.	7	70	29 82					Cloudy.		Tues.	91 $\frac{1}{2}$	29 78	N W				Clear.		
		88	29 81					Small rain.			78 $\frac{1}{2}$	29 78	N W	1			Clear.		
		78	29 81					Cloudy.			71	29 79	E				Clear.		
Mon.	8	75	29 80					Cloudy.		Wed.	89	29 80	N E	1			Cloudy.		
		89	29 80	E	1			Cloudy.			80	29 81					Cloudy.		
		80	29 79			0.10		Clear.			72	29 84					Cloudy.		
Tues.	9	73	29 79	E		0.25		Cloudy.		Thurs.	90	29 88	N E	1			Cloudy.		
		86	29 80	E				Cloudy.			80	29 90					Clear.		
		77	29 82					Cloudy.			70	29 94	S				Clear.		
Wed.	10	74	29 83					Cloudy.		Friday	91 $\frac{1}{2}$	29 97	S	1			Fine.		
		90	29 83	E		0.10		Cloudy.			98	29 91	S W				Fine.		
		76	29 84	E				Clear.		Satur.	92	29 92	S W	1			Clear.		
Thur.	11	73	29 85					Cloudy.			82	29 91	S W	1			Clear.		
		89	29 86	E				Cloudy.			76	29 93					Clear.		
		77	29 86					Cloudy.			92	29 92	S W	1			Clear.		
Friday	12	73	29 86	E				Clear.			82	29 91	S W				Clear.		
		90 $\frac{1}{2}$	29 87	N E	1			Cloudy.		Sunday	91 $\frac{1}{2}$	29 91	S W	1			Clear.		
		83	29 86	S W	1			Clear.			82	29 91	S W				Clear.		
Satur.	13	75	29 86					Cloudy.			75	29 93	S E				Some clouds.		
		89	29 85	S E	0.10			Cloudy & rain.		Mon.	91 $\frac{1}{2}$	29 92	S E				Cloudy.		
		73	29 84	S W				Clear.			73	29 91					Clear.		
Sun.	14	76	29 86					Clear.			74	29 93					Cloudy.		
		89 $\frac{1}{2}$	29 85	S E	1			Clouds & sunshine.		Tues.	92	29 92	S E	1	0.12		Rain.		
		72	29 84	S W				Clear.			73	29 92	S W				Clear.		
Mon.	15	75	29 85					Fine.			74	29 94					Clear.		
		90	29 84	S E	1			Clouds & sunshine.		Wed.	89	29 92	S E				Clear.		
		73	29 83	S W				Very clear.			73	29 90					Fine.		
Tues.	16	74	29 84					Clear & fine.											
		87	29 83	S E	1	0.15		A shower.											
		75	29 82	S W				Fine.											

REMARKS.

Cotton pods as large as a walnut, on the 15th.

AUGUST.								1799.								
DAY.	TH.	BAR.	HOURS. 4 $\frac{1}{2}$, 3, 9.	WINDS.	Pts.	STR.	RAIN.	DAY.	TH.	BAR.	HOURS. 4 $\frac{1}{2}$, 3, 9.	WINDS.	Pts.	STR.	RAIN.	
Thur. 1	72	29 90						Satur. 17	75	29 81						Clear.
	87	29 88		S E	1				84	29 80						Thin clouds.
	78	29 86							73	29 79						Clear.
Friday 2	76	29 86		S W				Sunday 18	69	29 79						Cloudy.
	85	29 85		S E	1	0.03			84	29 78						Cloudy.
	75	29 85		E					72 $\frac{1}{2}$	29 77						Clear.
Satur. 3	70	29 85						Mon. 19	65	29 78		N E				Very fine.
	86	29 85		E	1				81 $\frac{1}{2}$	29 78	N E	3	0.05			Thundergust & rain.
	73	29 86		N E	2	1.77			69	29 78						Clear.
Sun. 4	72	29 86						Tues. 20	65	29 78		E				Rain.
	83	29 86		W					79	29 77	E	1				Rain.
	75	29 84							68	29 77	E		0.40			Rain.
Mon. 5	71	29 86						Wed. 21	65	29 82		E				Cloudy.
	88	29 86		N W					75	29 80	E	1				Cloudy.
	73	29 87							72	29 79	E					Cloudy.
Tues. 6	69	29 89						Thurs. 22	66	29 80		E				Cloudy.
	87 $\frac{1}{2}$	29 89		N W					82	29 82	S E	1				Cloudy, drops of rain.
	73	29 88							72	29 83						Cloudy.
Wed. 7	68	29 88						Friday 23	68	29 85						Cloudy.
	90	29 90		N					83	29 87	S E	1				Cloudy, drops of rain.
	78	29 91		S W					74	29 88						Cloudy.
Thur. 8	71	29 92						Satur. 24	72	29 99	S	1				Cl. a st. wth heav. ra.
	89	29 92		S	0.02				86	29 96	S	1	0.77			Clear.
	72	29 92		S W					72	29 98						Clear.
Friday 9	69	29 94		S				Sunday 25	68	29 97	S					Clear.
	86	29 93		S	2	0.72			86	29 96	N W					Some clouds.
	75	29 92		S W					76	29 95						Clear.
Satur. 10	70	29 90		S				Mon. 26	69	29 91	N E					Clear.
	87	29 90		S	1				87	29 88	E	1				Clear.
	79	29 90		S W					79	29 87	S	1				Clear.
Sun. 11	72	29 90						Tues. 27	72	29 88	E					Clear.
	89	29 89		S	1	0.05			89	29 87	S E	0.01				A small shower.
	82	29 89		S W					79	29 86						Clear.
Mon. 12	75	29 89						Wed. 28	79	29 87	E					Rain.
	85	29 89		S W	1				84	29 88	E	1				Cloudy.
	80	29 89		S W					79	29 89	S					Cloudy.
Tues. 13	76	29 89						Thurs. 29	75	29 91	E					Foggy.
	88	29 88		S W	0.01				87	29 91	E	1				Cloudy.
	76	29 88		S W					77	29 91	S					Cloudy.
Wed. 14	70	29 86						Friday 30	75	29 91	E					Cloudy.
	90	29 85		S E					87	29 92	E	1				Cloudy.
	79 $\frac{1}{2}$	29 85							78	29 91	E					Cloudy.
Thur. 15	73	29 84						Satur. 31	73	29 90	E					Cloudy.
	89	29 83		S W					87	29 90	E					Cloudy.
	79	29 82							80	29 90						Cloudy.
Friday 16	76	29 82														
	89	29 81														
	82	29 81														

REMARKS.

31st. Picked cotton.

METEOROLOGICAL OBSERVATIONS,

	HOURS. 4 $\frac{1}{2}$. 3. 9.				WINDS.	RAIN.	SEPTEMBER.				HOURS. 4 $\frac{1}{2}$. 3. 9.				WINDS.	RAIN.	1799.		
DAYs.	TH.	BAR.	PTS.	STR.	IN.		State of the weather.			DAYs.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.			
Sunday 1	73	29 95	E	1		Thin white clouds.				Mon. 16	72	29 85	E				Cloudy, drops of rain.		
	90	29 94	SE	1		Some white clouds.					78	29 79	E			0.53	Rain.		
	81	29 92	S	1		Clear.					75	29 78					Cloudy.		
Mon. 2	75	29 91	E			Cloudy.				Tues. 17	75	29 77	E				Cloudy.		
	87	29 90	E			Cloudy.					80	29 76	E	1			Cloudy & rain.		
	79	29 90	S			Clear.					74	29 75	E		0.20		Rain.		
Tues. 3	75	29 88				Some clouds.				Wed. 18	72	29 75	E				Rain.		
	86	29 87	SE		0.53	Rain.					70	29 75	N W	2			Clear.		
	77	29 86	S			Cloudy.					65	29 78	N W				Clear.		
Wed. 4	75	29 85	S			Cloudy & fog.				Thurs. 19	55	29 84	N W	1			Clear.		
	87	29 80	SE	1		Cloudy & thunder.					71 $\frac{1}{2}$	29 84	N W	1			Clear.		
	78	29 79	S			Clear.					66	29 84	N				Cloudy & damp.		
Thurs. 5	76	29 79	E			Clear.				Friday 20	62	29 83	N E				Cloudy.		
	83	29 78	SE	1		Some clouds.					84	29 83	N W	1			Clear.		
	76	29 78	S W			Some clouds.					66	29 82					Clear.		
Friday 6	73	29 78	N W			Some clouds.				Satur. 21	60	29 80	N W				Clear.		
	87	29 78	N W	1		Clear.					81	29 83	W	1			Clear.		
	79	29 77	N W			Clear.					74	29 85	N W				Clear.		
Satur. 7	72	29 77	S W	1		Cloudy.				Sunday 22	70	29 85	W				Clear.		
	86	29 77	N W			Clear.					83	29 84	W	1			Clear.		
	79	29 77				Clear.					75	29 82					Cloudy.		
Sunday 8	72	29 80	W			Clear.				Mon. 23	72	29 80	E				Cloudy & dark.		
	86	29 81				Clear.					76	29 74	E	2			Rain.		
	77	29 82				Clear.					75	29 70	W		1.31		Rain.		
Mon. 9	70	29 83	S W			Clear.				Tues. 24	70	29 63	W		1.33		Rain during the night		
	90	29 85	S W			Clear.					79	29 65	W	1			Cloudy.		
	78	29 87				Clear.					70	29 66					Cloudy & sunshine.		
Tues. 10	72	29 87	S W	1		Clear.				Wed. 25	69	29 68	E				Cloudy & sunshine.		
	90	29 88				Clear.					78	29 70	S	1			Cloudy.		
	79	29 89				Clear.					70	29 72	S W				Cloudy.		
Wed. 11	72 $\frac{1}{2}$	29 87	E			Clear.				Thurs. 26	69	29 4	W				Cloudy.		
	87	29 85	SE	1	0.16	A little rain.					75	29 76	W	1			Cloudy.		
	79	29 83	N			Clear.					72	29 80	W				Cloudy.		
Thurs. 12	75	29 86	E			Thin clouds.				Friday 27	66	29 85	N				Very cleaf.		
	85	29 87	E	1		Cloudy.					83	29 89	N	1			Very fine.		
	77	29 87	E			Cloudy.					72	29 88	N				Very clear.		
Friday 13	73	29 85	E	1		Cloudy.				Satur. 28	61	29 93	N				Very fine.		
	84	29 84	E	1		Cloudy.					81	29 92	N	1			Very fine.		
	75	29 83	E		0.33	Rain.					71	29 90	N				Very fine.		
Satur. 14	73	29 84	E			Cloudy.				Sunday 29	62	29 90	N				Very fine.		
	82	29 84	E	1		Cloudy.					83	29 90	N	1			Very fine.		
	73	29 84	E		0.42	Rain.					72	29 89	N				Very fine.		
Sunday 15	70	29 85	E		0.03	Rain last night, cl up.				Mon. 30	64	29 88	N				Very fine.		
	83	29 85	E	1	0.015	Cloudy, some rain.					84	29 87	N E	1			Very fine.		
	74 $\frac{1}{2}$	29 85	E			Cloudy.					73	29 86	E				Very fine.		

REMARKS.

2d. Cotton harvest commences.

OCTOBER.								1799.											
Days.	Th.	Bar.	Hours. 4 $\frac{1}{2}$ 3. 9.	Winds.	Rain.	Days.	Th.	Bar.	Hours. 4 $\frac{1}{2}$ 3. 9.	Winds.	Rain.	Days.	Th.	Bar.	Hours. 4 $\frac{1}{2}$ 3. 9.	Winds.	Rain.		
Tues. 1	69	29 86	S : E 1	Clear, some white cl.		Thurs. 17	49	29 92	N W	Clear.									
	85	29 85	S 1	Many white clouds.			72	29 89	N	Clear.									
	73	29 81		A little hazy..			56	29 87	N	Light clouds.									
Wed. 2	69	29 80	W 1	Grey clouds.		Friday 18	47	29 85	N	Light clouds.									
	83	29 80	S E	Grey clouds.			70	29 85	N W	Light clouds.									
	74	29 77	S E 1 0.50	Rain.			62	29 84	N W	Clear.									
Thurs. 3	71	29 78	S 2	Cloudy.		Satur. 19	60	29 82	W	Light clouds.									
	82	29 80	S	Cloudy.			76	29 82	W	Clear.									
	75	29 82	S	Cloudy.			69	29 83	S	Light clouds.									
Friday 4	71	29 87	N E 1	Cloudy.		Sunday 20	66	29 84	S	Foggy.									
	81	29 87	N E 1	Clear.			75	29 84	W	Clear.									
	74 $\frac{1}{2}$	29 86	N 1	Clear.			64	29 85	N W	Clear.									
Satur. 5	62	29 88	N	Clear.		Mon. 21	55	29 94	N W	Clear.									
	81	29 89	N 1	Cloudy.			80	29 94	N W	Fine.									
	69	29 93	N 2	Cloudy.			65	29 94	N	Fine.									
Sunday 6	68	29 90	N E	Cloudy.		Tues. 22	60	29 94	E	Fine.									
	82	29 88	N E 1	Cloudy.			82	29 94	E	Fine.									
	69	29 77		Cloudy.			65	29 94	E	Fine.									
Mon. 7	68	29 85	E 1	Cloudy.		Wed. 23	55	29 94	E	Fine.									
	82	00 00	E 2	Cloudy.			82	29 94	S	Clear.									
	69	00 00		Cloudy.			65	29 96	S	Clear.									
Tues. 8	68	29 82	F	Cloudy.		Thurs. 24	68	29 99	S	A little cloudy.									
	82	29 79	S 1	Cloudy, a litt. shower.			81	29 99	S E	Cloudy.									
	69	29 76	S E 1 1.11	Rain.			73	30 00	S W	Cloudy.									
Wed. 9	67	29 77	E	Cloudy.		Friday 25	66	30 01											
	60	29 78	N 2 0.10	Rain.			80	29 95	N W : E	Cloudy, sun at interv.									
	52	29 79	N	Cloudy.			71	29 94		Dim star light.									
Thurs. 10	44	29 80	N	Cloudy.		Satur. 26	61	29 90	N W	Clear.									
	52	29 81	N E 2	Cloudy.			76	29 86	N E	Some light clouds.									
	50	29 82	N E	Cloudy.			63	29 85	N E	Dim star light.									
Friday 11	46	29 83	N N E	Cloudy.		Sunday 27	47	29 84		Blue fog.									
	62	29 83	N N E 1	Clearing up.			66	29 83	N E	Clear & dry.									
	54	29 83	E	Cloudy.			56	29 82	N E	Blue fog, dry.									
Satur. 12	51	29 80	S	Overcast.		Mon. 28	45	29 88	N E	Clear.									
	77	29 80	S 1	Lt. clds. with sunsh.			67	29 85	N E	Clear.									
	70	29 79	S	Hazy.			52	29 86	N E	Fine.									
Sunday 13	63	29 79	S W	Cloudy.		Tues. 29	45	29 99	N E	Fine.									
	75	29 78	S W 1	Cloudy.			71	29 99	N E	Clear.									
	70	29 78	S W	Clouds with moonsh.			56	30 05	N E	Blue fog.									
Mon. 14	60	29 79	W	Cloudy, damp & cold.		Wednesday 30	49	30 11	N E	Clear.									
	67	29 80	W	Cloudy.			68	30 08	N E	Clear.									
	56	29 85	N W	Clearing up.			50	30 07	N E	Clear.									
Tues. 15	65	29 88	N W	Clear.		Thurs. 31	45	30 06	N E	Clear,									
	77	29 88	N W 1	Clear.			67	30 00	N E	A few clouds.									
	60	29 90	N W	Clear.			50	29 98	N E	Clear.									
Wed. 16	54	29 90	N W	Clear.															
	75	29 90	N W 1	Clear.															
	65	29 90	N W W	Serene.															

REMARKS.

10th. Cabbages begin to head; and green peas in season.

METEOROLOGICAL OBSERVATIONS,

		HOURS. 5. 3. 9.		WINDS.		RAIN.	NOVEMBER.				HOURS. 5. 3. 9.		WINDS.		RAIN.	1799.	
DAY.	TH.	BAR.	PTS.	STR.	IN.		State of the weather.		DAY.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.		
Friday	46	29 97	N E				Grey clouds.		Satur.	56	30 03				Clear.		
1	66	29 96	E	1			Sunshine.		16	78	30 01	S W	1		Some clouds.		
	60	29 95	E				Duskish.			67	30 00				Some clouds.		
Satur.	66	29 94	S E				Cloudy.		Sun.	65	29 98	S			Some clouds.		
2	74	29 93	S E	1			Dull heavy atmosph.		17	76	29 86	S	2		Cloudy.		
	65	29 92	E				Duskish.			71	29 86	S	0.01		Rain.		
Sunday	60	29 96	N				Foggy, drops of rain.		Mon.	45	30 07	S W : N	2		Driving grey clouds.		
3	63	29 97	N	2			Cloudy foggy & damp		18	53	30 07	N			Clearing up.		
	56	29 93	N				Duskish.			45	30 07	N			Clear.		
Mon.	45	29 82					Clear.		Tues.	35	30 12	N W			Very fine.		
4	68	29 82	N W	1			Some clouds.		19	57	30 10	N W	1		Fine.		
	57	29 83	N W				Duskish.			41	30 08	W			Fine.		
Tues.	54	29 84	N W	1			Cloudy.		Wed.	31	30 07	W			Fine.		
5	73	29 86	N W				Cloudy.		20	57	30 07	W	1		Some clouds.		
	52	29 87	N W				Cloudy.			34	30 09	W			Cloudy.		
Wed.	64	29 89	N E	0.02			Cloudy, some rain.		Thurs.	37	30 09	W			Clear.		
6	65	29 90	N E	1			Sunshine.		21	65	30 09	W	1		Light clouds.		
	63	29 90	N E				Dark.			53	30 09	W			Clear.		
Thurs.	61	29 90	N W				Clear.		Friday	42	30 07	W			Light clouds.		
7	65	29 91	N W	1			Clear.			68	30 04	W			Light clouds.		
	63	29 92	N W				Clear.			40	30 05	W			Clear.		
Friday	61	29 90	N W				Clear.		Satur.	40	30 00	W			Light clouds.		
8	64	29 89	N W				Clear.		23	78	29 95	W	1		Light clouds.		
	51	29 89	N W				Clear.			65	29 90	E			Light grey clouds.		
Satur.	46	29 89	N W				Clear.		Sun.	65	29 76	E	1	0.12	Light rain.		
9	67	29 88	N W	1			Clear.			69	29 76	E	1		Cloudy.		
	58	29 88	N				Clear.			56	29 78	S E	0.40		Rain.		
Sunday	45	29 88	N W				Clear.		Mon.	42	30 00	N E			Clear.		
10	67	29 87	N W	1			Clear.			54	30 00	N E			Clear.		
	47	29 87	N W				Clear.			48	30 05				Some clouds.		
Mon.	54	29 88	N E				Clear.		Tues.	41	30 05	W			Cloudy.		
11	65	29 88	N E	1			Blue fog.			55	30 00	W			Clear.		
	54	29 90	N E				Fog.			41	29 99				Clear.		
Tues.	41	30 13	N	1			Clear.		Wed.	41	29 99	W			Clear.		
12	54	30 07	N	1			Fine.			51	29 99	W	1		Clear.		
	40	30 07					Clear.			49	29 99				Clear.		
Wed.	31	30 00	N W				Very clear.		Thurs.	49	30 00				Clear.		
13	60	29 98	S E	1			Clear.			60	30 00	N W			Clear.		
	51	29 94	S E	1			Clear.			38	30 00	N W			Clear.		
Thurs.	46	29 99	S W	1			Clear.		Friday	28	30 01	N W			Clear.		
14	71	29 99	S W				Clear.			50	30 02	N W	1		Clear.		
	62	29 99					Clear.			34	30 03	N W			Clear.		
Friday	46	30 06					Very clear.		Satur.	28	30 05	N W			Clear.		
15	72	30 06	S W	1			Very clear.			44	30 00	N E	1		Cloudy.		
	59	30 05					Very clear.			30	50	29 80	E		Cloudy.		

DECEMBER.								1799.							
Days.	Th.	Bar.	Hours. 5. 3. 9.	Winds.	pts.	str.	in.	Days.	Th.	Bar.	Hours. 5. 3. 9.	Winds.	pts.	str.	in.
Sun. 1	50	29 70	E	1	0.12	Fine rain.		Tues. 17	50	29 93	N	1	0.72	Rain.	
	61	29 66	E	1		Rain.			44	29 93	N E	1		Rain.	
	60	29 63	E		1.72	Rain.			37	29 92	E			Rain.	
Mon. 2	60	29 63	E		0.02	Small rain.		Wed. 18	37	29 83	S E	1	0.63	Rain.	
	56	29 78	N			Cloudy.			42	29 84	S E	1		Cloudy.	
	55	29 78	N			Cloudy.			42	29 84	S E			Cloudy.	
Tues. 3	51	29 85	N E			Cloudy.		Thurs. 19	39	29 85	S E	1		Cloudy.	
	63	29 85	N E	1		Cloudy.			43	29 86	S E			Cloudy.	
	50	29 82	N E			Cloudy.			42	29 88	N			Cloudy.	
Wed. 4	57	29 71				Cloudy.		Friday 20	39	29 88	N			Cloudy & drizzly.	
	65	29 71	N E			Clouds & sunshine.			40	29 88	N	1	0.11	Cloudy & rain.	
	56	29 71	E			Cloudy.			39	29 88	N			Clearing up.	
Thur. 5	64	29 71	E			Cloudy.		Satur. 21	37	30 00	N W			Cloudy.	
	71	29 68	E	1		Cloudy.			42	30 00	N W	1		Clearing up.	
	55	29 64	E	1	0.61	Rain.			33	29 99				Some clouds.	
Friday 6	49	29 74	N W	1		Clear.		Sunday 22	29	29 96	N W			Light clouds.	
	50	30 00	N W	1		Clear.			50	29 95	S E			Clouds & sun.	
	42	30 00	N W			Clear.			40	29 93	S E	1		Clear.	
Satur. 7	32	30 12	N W	1		Clear.		Mon. 23	31	29 96	N			Clear.	
	59	30 00	N W	1		Clear.			44	30 00	N	1		Clear.	
	45	30 00	N W			Clear.			35	30 00	N			Clear.	
Sun. 8	35	30 00	N			Clear.		Tues. 24	26	30 00	N W			Clear.	
	55	29 88	N E	1		Cloudy.			53	30 00	N W	1		Clear.	
	49	29 80	N E			Clear.			38	30 00	N W	1		Clear.	
Mon. 9	38	29 76	E			Some clouds.		Wednesday 25	25 $\frac{1}{2}$	30 16	N W			Clear.	
	68	29 76	E			Cloudy.			55	30 00	N W	1		Clear.	
	63	29 75	S E			Cloudy.			37	29 95	E	1		Clear.	
Tues. 10	64	29 74	S			Cloudy.		Thurs. 26	47	29 90	S E			Cloudy.	
	74	29 73	S	1		Cloudy.			55	29 90	S E	1		Some clouds.	
	71	29 72	S E			Moon shine.			47	29 90	N E			Dusky.	
Wed. 11	43	29 72	S E			Cloudy.		Friday 27	48	29 86	E			Clouds & sunshine.	
	40	29 80	S E			Rain.			58	29 81	E	1		Cloudy.	
	37	29 80	S	1.24		Rain.			54	29 80	E			Rain.	
Thur. 12	33	29 60	N W	1		Snow diss. on the gr.		Satur. 28	59	29 84	S E	0 61		Clearing up.	
	37	29 70	N W	1		Cloudy.			49	29 90	S E	1		Clear.	
	32	29 80	N W			Clear.			45	29 95	S E			Clear.	
Friday 13	26	29 85	N W			Clear.		Sunday 29	37	29 97	N W			Clear.	
	51	29 87	N W	1		Clear.			40	29 98	N W	1		Clear.	
	42	29 88	N W			Fine.			35	30 00	N W			Clear.	
Satur. 14	29	30 03	N W			Very fine.		Monday 30	24	30 11	N W	1		Clear.	
	58	30 03	N W	1		Fine.			45	30 12	N W	1		Clear.	
	63	30 97				Fine.			28	30 12	N W	1		Clear.	
Sun. 15	41	30 05	N			Clear.		Tues. 31	26	30 10	N			Clear.	
	55	30 02	N			Cloudy.			52	30 00	N E	1		Clear.	
	45	30 00				Cloudy.			42	29 69	E			Cloudy.	
Mon. 16	46	29 95	N			Cloudy.									
	66	29 93	N	2		Cloudy.									
	65	29 92	N			Rain.									

REMARKS.

27th. Observed the Mistletoe in fruit.

METEOROLOGICAL OBSERVATIONS,

JANUARY.								1800.								
Days.	Th.	Bar.	Hours. 6. 3. 9.	Winds.	Pts.	Str.	In.	Days.	Th.	Bar.	Hours. 6. 3. 9.	Winds.	Pts.	Str.	In.	
Wed.	1	44	29 60	E	1			Rain.	Friday	17	35	29 80	N W			Clearing up.
		48	29 70	E	2			Rain.			46	29 85	N W	1		Clear.
		35	29 87	E	1	0.30		Rain.			35	29 87	N W			Clear.
Thurs.	2	26	29 84	N				Clear.	Satur.	18	23	29 93	N W			Clear.
		38	29 83	N E	1			Clear.			53	29 93	N W			Clear.
		51	29 81	S E				Hazy.			39	29 93	N			Clear.
Friday	3	21½	29 81	N W				Clear.	Sunday	19	28	29 94	N W			Clear.
		46	29 83	N W	1			Clear.			61	29 95	N W	1		Clear.
		36	29 84					Clear.			51	29 96	N			Clear.
Satur.	4	30	29 90	N W	1			Clear.	Mon.	20	34	29 96				Clear.
		55	29 95	N W	1			Clear.			64	29 96	N E	1		Some clouds.
		39	30 00	N W				Clear.			54	29 96	N E			Clear.
Sunday	5	32	29 97	N W				Clear.	Tues.	21	34	29 96	E			Some clouds.
		55	29 94	N W	1			Clear.			57	29 95	E	1		Cloudy.
		44	29 91	N				Clear.			46	29 94	E			Star light.
Mon.	6	33	29 90	N				Some clouds.	Wed.	22	35	29 84	E		0.05	Rain.
		66	29 80	S E	1			Clouds & sun.			60	29 80	E	1		Cloudy.
		53	29 74	S W				Clear.			57	29 80	E			Cloudy.
Tues.	7	42	29 80					Clear.	Thurs.	23	36	29 74	E		0.05	Rain.
		55	29 83	S W	1			A little cloudy.			58	29 74	E	1		Cloudy & light rain.
		36	29 85					Cloudy.			55	29 74	E	0.20		Rain.
Wed.	8	45	30 05	W	1			Clearing up.	Friday	24	45	29 80	N E		0.10	Rain.
		55	30 05					Clouds & sunshine.			46	29 82	N	1		Cloudy.
		44	30 05					Clouds & sunshine.			40	29 84	N	1		Cloudy.
Thurs.	9	40	30 05	N				Clouds & sunshine.	Satur.	25	30	29 86	N	1		Cloudy.
		45	30 05	N	1			Clear.			47	29 86	N E			Cloudy.
		34	30 04	N				Clear.			47	29 86	N E			Cloudy.
Friday	10	30	30 05	N W				Clear.	Sunday	26	40	29 87	N E	1		Cloudy.
		40	30 04	N W	1			Very fine.			54	29 88	N E	1		Drizzly.
		29	29 94	N				Clear.			49	29 88	N E	1		Drizzly.
Satur.	11	23	29 95	N W				Clear.	Mon.	27	45	29 92	N	1		Cloudy.
		47	29 96	N W	1			Clear.			48	29 99	N	1		Cloudy.
		41	29 96	N W				Clear.			48	30 07	N	1		Clearing up.
Sunday	12	33	29 96	N W	1			Clear.	Tues.	28	36	30 08	N			Clear.
		49	29 96	N W	1			Clear.			52	30 10	N	1		Small clouds.
		42	29 96	N				Clear.			42	30 10	N	1		Clear.
Mon.	13	32	29 97	N W				Clear.	Wednesday	29	33	30 12	N W	1		Clear.
		63	29 98	N E	1			Clear.			53	30 12	N	1		Some clouds.
		46	29 99	N				Clear.			45	30 13	N	2		Cloudy & dark.
Tues.	14	36	29 99	E				Clear.	Thursday	30	35	29 95	N E			Clear.
		66	29 95	E				Clear.			47	29 95	N E	2		Clear.
		47	29 91	E				Clear.			41	29 95	E	1		Cloudy & dark.
Wed.	15	35	29 88	E				Clear.	Friday	31	29	29 95	N	1		Snow.
		68	29 80	E				Clear.			32	29 95	N E	2		Snow.
		56	29 74	E				Clear.			32	29 95	N E	1		Rain.
Thurs.	16	54	29 74	E				Cloudy.								
		60	29 74	E			0.62	Rain.								
		45	29 74	E				Rain.								

REMARKS.

31st. As the rain fell it froze, adhering to the branches of the trees in beautiful icicles, resembling some trees in blossom: Many large limbs were broken down in the night and following day, by the weight of the ice.

RECAPITULATION.

	THERMOMETER.			BAROMETER.			RAIN.
	Greatest height.	Mean height.	Least height.	INCHES.	INCHES.	INCHES.	Mean height.
		DEG.	DEG.				INCHES.
February.	75	19 $\frac{3}{4}$	47 $\frac{3}{4}$	30 25	29 53	29 759	9 125
March.	76	29	51 $\frac{3}{4}$	30 24	29 53	29 928	3 84
April.	86	37	67 $\frac{1}{4}$	30 00	29 51	29 772	2 970
May.	87	54	73	30 04	29 63	29 871	0 81
June.	92	65	79	30 02	9 79	29 888	2 84
July.	92	70	79 $\frac{1}{4}$	29 98	29 78	29 862	2 13
August.	90	65	73 $\frac{1}{4}$	29 99	29 77	29 857	3 86
September.	90	62	75 $\frac{1}{2}$	29 95	29 63	29 712	4 855
October.	85	44	65 $\frac{1}{2}$	30 11	29 76	29 510	1 71
November.	78	26	54 $\frac{1}{2}$	30 13	29 76	29 966	0 55
December.	68	24	46 $\frac{1}{2}$	30 16	29 63	29 970	5 78
1800, January.	66	21 $\frac{1}{2}$	43 $\frac{1}{2}$	30 13	29 60	29 900	1 30
Whole year.	92	19 $\frac{3}{4}$	63 $\frac{1}{2}$	30 25	29 51	29 833	39 770